

ABSTRACT

A vehicle safety system for preventing inadvertent acceleration of a vehicle by a driver is provided. The vehicle includes an engine that supplies power to move the vehicle, a transmission that transmits power from the engine to wheels of the vehicle, an acceleration module that controls the engine to increase power, and a brake module that slows down or stop the vehicle. The acceleration module includes an accelerator pedal that receives pressure applied by the driver, and the brake module includes a brake pedal that receives pressure applied by the driver. The system includes a pressure sensor that senses pressure applied to the accelerator pedal, and a control circuit that is connected to the pressure sensor and the vehicle. The control circuit is activated to prevent inadvertent acceleration of the vehicle when the pressure sensed by the pressure sensor exceeds a predetermined safety threshold.